

D. Liang

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D.T.
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TECH CENTER 1600/2900

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/609,721
DATE: 11/22/2000
TIME: 11:30:34

Input Set : A:\p1713r1.txt
Output Set: N:\CRF3\11222000\I609721.raw

W--> 3 <110> APPLICANT: Mark S. Dennis
5 <120> TITLE OF INVENTION: Compounds that Bind HER2
7 <130> FILE REFERENCE: P1713R1
9 <140> CURRENT APPLICATION NUMBER: US/09/609,721
9 <141> CURRENT FILING DATE: 2000-06-30
11 <150> PRIOR APPLICATION NUMBER: US 60/142,232
12 <151> PRIOR FILING DATE: 1999-07-02
14 <160> NUMBER OF SEQ ID NOS: 162
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 20
18 <212> TYPE: PRT
19 <213> ORGANISM: Artificial Sequence
21 <220> FEATURE:
22 <223> OTHER INFORMATION: synthetic peptide sequence
24 <400> SEQUENCE: 1
25 Gln Arg Asn Glu Ala Trp Gly Cys Ile Gly Pro Gly Cys Glu Met
26 1 5 10 15
28 Leu Cys Ala Trp Cys
29 20
31 <210> SEQ ID NO: 2
32 <211> LENGTH: 20
33 <212> TYPE: PRT
34 <213> ORGANISM: Artificial Sequence
36 <220> FEATURE:
37 <223> OTHER INFORMATION: synthetic peptide sequence
39 <400> SEQUENCE: 2
40 Leu Ser Pro Glu Thr Trp Gly Cys Ile Gly Pro Gly Cys Glu Met
41 1 5 10 15
43 Leu Cys Ser Trp Cys
44 20
46 <210> SEQ ID NO: 3
47 <211> LENGTH: 20
48 <212> TYPE: PRT
49 <213> ORGANISM: Artificial Sequence
51 <220> FEATURE:
52 <223> OTHER INFORMATION: synthetic peptide sequence
54 <400> SEQUENCE: 3
55 Glu Asn Trp Glu Met Trp Gly Cys Ile Gly Pro Gly Cys Lys Phe
56 1 5 10 15
58 Leu Cys Glu Pro Cys
59 20
61 <210> SEQ ID NO: 4
62 <211> LENGTH: 17
63 <212> TYPE: PRT
64 <213> ORGANISM: Artificial Sequence
66 <220> FEATURE:
67 <223> OTHER INFORMATION: synthetic peptide sequence

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69 <400> SEQUENCE: 4
70 Glu Val Trp Gly Cys Ile Gly Pro Gly Cys Lys Ala Leu Cys Asp
71   1             5             10             15
72 Trp Cys
73 <210> SEQ ID NO: 5
74 <211> LENGTH: 17
75 <212> TYPE: PRT
76 <213> ORGANISM: Artificial Sequence
77 <220> FEATURE:
78 <223> OTHER INFORMATION: synthetic peptide sequence
79 <400> SEQUENCE: 5
80 Glu Arg Trp Gly Cys Ile Gly Pro Gly Cys Arg Met Leu Cys Glu
81   1             5             10             15
82 Trp Cys
83 <210> SEQ ID NO: 6
84 <211> LENGTH: 17
85 <212> TYPE: PRT
86 <213> ORGANISM: Artificial Sequence
87 <220> FEATURE:
88 <223> OTHER INFORMATION: synthetic peptide sequence
89 <400> SEQUENCE: 6
90 Glu Val Trp Gly Cys Ile Gly Pro Gly Cys Asp Met Leu Cys Asn
91   1             5             10             15
92 Trp Cys
93 <210> SEQ ID NO: 7
94 <211> LENGTH: 17
95 <212> TYPE: PRT
96 <213> ORGANISM: Artificial Sequence
97 <220> FEATURE:
98 <223> OTHER INFORMATION: synthetic peptide sequence
99 <400> SEQUENCE: 7
100 Glu Val Trp Gly Cys Ile Gly Pro Gly Cys Ser Met Leu Cys Gly
101   1             5             10             15
102 Trp Cys
103 <210> SEQ ID NO: 8
104 <211> LENGTH: 20
105 <212> TYPE: PRT
106 <213> ORGANISM: Artificial Sequence
107 <220> FEATURE:
108 <223> OTHER INFORMATION: synthetic peptide sequence
109 <220> FEATURE:
110 <221> NAME/KEY: uncore
111 <222> LOCATION: 1-3, 5, 14, 18
112 <223> OTHER INFORMATION: unknown amino acid
113 <400> SEQUENCE: 8
W--> 135 Xaa Xaa Xaa Glu Xaa Trp Gly Cys Ile Gly Pro Gly Cys Xaa Met
136   1             5             10             15
W--> 138 Leu Cys Xaa Trp Cys
139           20

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Input Set : A:\p1713r1.txt
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141 <210> SEQ ID NO: 9
142 <211> LENGTH: 20
143 <212> TYPE: PRT
144 <213> ORGANISM: Artificial Sequence
146 <220> FEATURE:
147 <223> OTHER INFORMATION: synthetic peptide sequence
149 <400> SEQUENCE: 9
150 Ala Ser His Glu Val Trp Gly Cys Ile Gly Pro Gly Cys Lys Cys
151   1             5             10             15
153 Leu Gln Ala Cys Met
154             20
156 <210> SEQ ID NO: 10
157 <211> LENGTH: 20
158 <212> TYPE: PRT
159 <213> ORGANISM: Artificial Sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: synthetic peptide sequence
164 <400> SEQUENCE: 10
165 Lys Leu Asn Glu Glu Trp Gly Cys Ile Gly Pro Gly Cys Ala Cys
166   1             5             10             15
168 Leu Leu Gln Cys Trp
169             20
171 <210> SEQ ID NO: 11
172 <211> LENGTH: 20
173 <212> TYPE: PRT
174 <213> ORGANISM: Artificial Sequence
176 <220> FEATURE:
177 <223> OTHER INFORMATION: synthetic peptide sequence
179 <220> FEATURE:
180 <221> NAME/KEY: unsure
181 <222> LOCATION: 18, 20
182 <223> OTHER INFORMATION: unknown amino acid
184 <400> SEQUENCE: 11
185 Lys Leu Asn Glu Asp Trp Gly Cys Ile Gly Pro Gly Cys Ala Cys
186   1             5             10             15
W--> 188 Leu Leu Xaa Cys Xaa
189             20
191 <210> SEQ ID NO: 12
192 <211> LENGTH: 20
193 <212> TYPE: PRT
194 <213> ORGANISM: Artificial Sequence
196 <220> FEATURE:
197 <223> OTHER INFORMATION: synthetic peptide sequence
199 <400> SEQUENCE: 12
200 Thr Gln Ala Glu Arg Trp Gly Cys Ile Gly Pro Gly Cys Glu Cys
201   1             5             10             15
203 Leu Met Ser Cys Val
204             20
206 <210> SEQ ID NO: 13

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207 <211> LENGTH: 20
208 <212> TYPE: PRT
209 <213> ORGANISM: Artificial Sequence
211 <220> FEATURE:
212 <223> OTHER INFORMATION: synthetic peptide sequence
214 <400> SEQUENCE: 13
215 Ala Pro Arg Glu Val Trp Gly Cys Ile Gly Pro Gly Cys Ala Cys
216   1                               5                10                15
218 Leu Leu Arg Cys Ile
219                               20
221 <210> SEQ ID NO: 14
222 <211> LENGTH: 20
223 <212> TYPE: PRT
224 <213> ORGANISM: Artificial Sequence
226 <220> FEATURE:
227 <223> OTHER INFORMATION: synthetic peptide sequence
229 <400> SEQUENCE: 14
230 Gln Val Tyr Glu Ser Trp Gly Cys Ile Gly Pro Gly Cys Ala Cys
231   1                               5                10                15
233 Leu Gln Ala Cys Leu
234                               20
236 <210> SEQ ID NO: 15
237 <211> LENGTH: 20
238 <212> TYPE: PRT
239 <213> ORGANISM: Artificial Sequence
241 <220> FEATURE:
242 <223> OTHER INFORMATION: synthetic peptide sequence
244 <400> SEQUENCE: 15
245 Arg Thr Glu Glu Gln Trp Gly Cys Ile Gly Pro Gly Cys Arg Cys
246   1                               5                10                15
248 Leu Leu Ser Cys Leu
249                               20
251 <210> SEQ ID NO: 16
252 <211> LENGTH: 20
253 <212> TYPE: PRT
254 <213> ORGANISM: Artificial Sequence
256 <220> FEATURE:
257 <223> OTHER INFORMATION: synthetic peptide sequence
259 <400> SEQUENCE: 16
260 Phe Ala Gly Glu Ser Trp Gly Cys Ile Gly Pro Gly Cys Glu Cys
261   1                               5                10                15
263 Leu Ile Gly Cys Leu
264                               20
266 <210> SEQ ID NO: 17
267 <211> LENGTH: 20
268 <212> TYPE: PRT
269 <213> ORGANISM: Artificial Sequence
271 <220> FEATURE:
272 <223> OTHER INFORMATION: synthetic peptide sequence

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Input Set : A:\p1713r1.txt
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274 <400> SEQUENCE: 17
275 Thr Ala Arg Glu Val Trp Gly Cys Ile Gly Pro Gly Cys Asn Cys
276   1               5               10               15
277 Leu Leu Ala Cys Leu
278   20
281 <210> SEQ ID NO: 18
282 <211> LENGTH: 20
283 <212> TYPE: PRT
284 <213> ORGANISM: Artificial Sequence
286 <220> FEATURE:
287 <223> OTHER INFORMATION: synthetic peptide sequence
289 <400> SEQUENCE: 18
290 Arg Pro His Glu Pro Trp Gly Cys Ile Gly Pro Gly Cys Ser Cys
291   1               5               10               15
292 Leu Leu Ser Cys Ile
293   20
296 <210> SEQ ID NO: 19
297 <211> LENGTH: 17
298 <212> TYPE: PRT
299 <213> ORGANISM: Artificial Sequence
301 <220> FEATURE:
302 <223> OTHER INFORMATION: synthetic peptide sequence
304 <400> SEQUENCE: 19
305 Glu Val Trp Gly Cys Ile Gly Pro Gly Cys Glu Cys Leu Met Asn
306   1               5               10               15
307 Cys Leu
311 <210> SEQ ID NO: 20
312 <211> LENGTH: 17
313 <212> TYPE: PRT
314 <213> ORGANISM: Artificial Sequence
316 <220> FEATURE:
317 <223> OTHER INFORMATION: synthetic peptide sequence
319 <400> SEQUENCE: 20
320 Glu Gly Trp Gly Cys Ile Gly Pro Gly Cys Glu Cys Leu Leu Arg
321   1               5               10               15
322 Cys Leu
326 <210> SEQ ID NO: 21
327 <211> LENGTH: 17
328 <212> TYPE: PRT
329 <213> ORGANISM: Artificial Sequence
331 <220> FEATURE:
332 <223> OTHER INFORMATION: synthetic peptide sequence
334 <400> SEQUENCE: 21
335 Glu Gly Trp Gly Cys Ile Gly Pro Gly Cys Gly Cys Leu Leu Lys
336   1               5               10               15
337 Cys Leu
341 <210> SEQ ID NO: 22
342 <211> LENGTH: 17
343 <212> TYPE: PRT

```

FYI:

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/609,721

DATE: 11/22/2000

TIME: 11:30:35

Input Set : A:\pl1713r1.txt

Output Set: N:\CRF3\11222000\I609721.raw

L:9 M:282 W: Numeric Field Identifier Missing, <140> CURRENT APPLICATION NUMBER: is Added.

L:135 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8

L:138 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8

L:188 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11

L:430 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27

L:433 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27

L:585 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37

L:635 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40

L:638 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40

L:700 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44

L:703 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44

L:1095 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70

L:1098 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70

L:1115 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71

L:1732 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:90

L:1735 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:90

L:1752 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91

L:1755 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91

L:1772 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:92

L:1775 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:92

L:1792 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:93

L:1795 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:93

L:2184 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:125

L:2187 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:125

L:2204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:126

L:2207 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:126

L:2224 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:127

L:2241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:128

L:2677 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:161

L:2680 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:161

L:2697 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:162